

# Dairy

- Milk Cow Inventory
- Milk Cow Production
- Dairy Products
- County Estimates

## • 2004 DAIRY HIGHLIGHTS

### Milk cows and milk production.

The average number of milk cows on Kentucky farms continued to decline during 2004 and totaled 110,000 head, down 6,000 head from the 2003 average. This continues the steady decline in milk cow numbers that began in 1986.

Total milk production in Kentucky was 1.42 billion pounds, down 3 percent from 2003. Average production per cow, at 12,936 pounds, was up from the 2003 average of 12,629. The number of farms with milk cows totaled 2,300, down from 2,500 in 2003.

### Milk disposition and income.

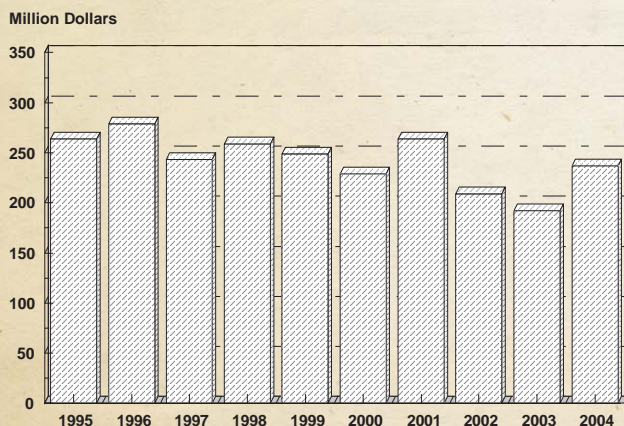
Kentucky dairy producers sold 1.39 billion pounds of milk to plants and dealers during 2004 and used 31 million pounds on the farm. Farm use includes milk fed to calves and other livestock, and used for milk, cream and butter. Farm use of milk during 2004 was down 3 percent from 2003, and milk sold to plants and dealers decreased 3 percent from 2003.

The value of milk produced during 2004 came to \$241.9 million, up 23 percent from 2003. This includes the value of milk used on farms. The average price of all grades sold was \$17.00 per hundredweight, up from \$13.40 per hundredweight during 2003. Cash receipts from marketings totaled \$236.6 million, up 23 percent from the \$192.0 million reported in 2003.

### Manufactured dairy products.

Kentucky plants produced 11.8 million pounds of cottage cheese curd in 2004, down 10 percent from 2003. Creamed cottage cheese production totaled 12.4 million pounds, down 15 percent from the previous year. Lowfat cottage cheese production was 9.02 million pounds during 2004, up 3 percent from 2003. During 2004, 17 Kentucky plants produced one or more dairy products. Totals for most dairy products produced in Kentucky are not published to avoid disclosing individual plant production.

### Kentucky cash receipts from milk marketed.



## Milk used and marketed by Kentucky farmers, 1990 - 2004.

YEAR	MILK USED ON FARMS WHERE PRODUCED			MILK MARKETED BY FARMERS	MILK USED ON FARMS AND MARKETED
	Fed To Calves <sup>1/</sup>	Used for Milk, Cream and Butter	Total (million pounds)	Sold To Plants And Dealers as Whole Milk	MARKETED Total
1990	48	32	80	2,175	2,255
1991	46	34	80	2,110	2,190
1992	50	25	75	2,075	2,150
1993	50	25	75	2,045	2,120
1994	59 <sup>2/</sup>	25	84	1,923	2,007
1995	47	18	65	1,955	2,020
1996	35	13	48	1,812	1,860
1997	31	10	41	1,774	1,815
1998	29	10	39	1,671	1,710
1999	26	7	33	1,618	1,651
2000	28	7	35	1,660	1,695
2001	30	2	32	1,628	1,660
2002	32	2	34	1,580	1,614
2003 <sup>3/</sup>	30	2	32	1,433	1,465
2004	29	2	31	1,392	1,423

<sup>1/</sup> Excludes milk sucked by calves. <sup>2/</sup> Includes milk dumped on farm. <sup>3/</sup> Revised.

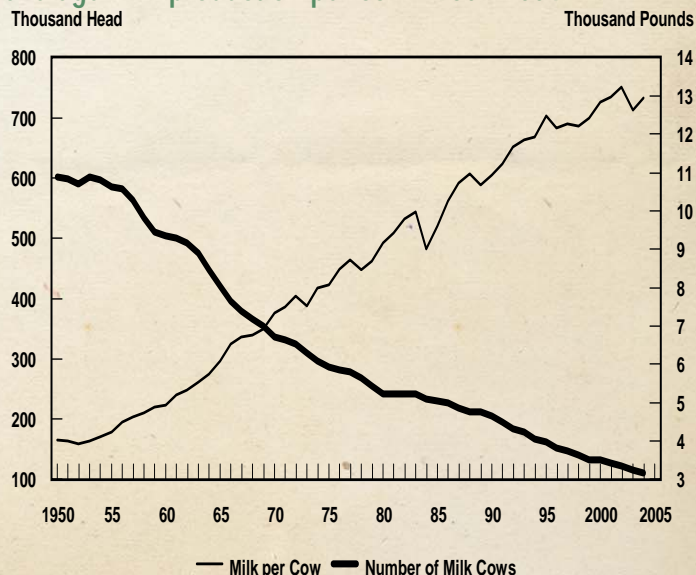
### Kentucky milk production, disposition, and cash receipts, 2003 and 2004.

Item	2003 <sup>1/</sup>	2004	Pct. of 2004 as Total	Pct. of 2003
	(million pounds)		(percent)	(percent)
<b>MILK MARKETED BY FARMERS</b>				
Sold to Plants and Dealers	1,433	1,392	97.9	97
<b>MILK USED ON FARMS WHERE PRODUCED</b>				
Used for Milk, Cream and Butter	2	2	.1	100
Fed To Calves	30	29	2.0	97
<b>TOTAL MILK PRODUCTION</b>	<b>1,465</b>	<b>1,423</b>	<b>100.0</b>	<b>97</b>
	(thousand dollars)		(percent)	
<b>VALUE OF MILK PRODUCTION</b>				
Cash Receipts From Milk Marketed	192,022	236,640	97.9	123
Value of Home Consumption	268	340	.1	127
Value of Milk Fed To Calves	4,020	4,930	2.0	123
<b>TOTAL VALUE OF MILK PRODUCED <sup>2/</sup></b>	<b>196,310</b>	<b>241,910</b>	<b>100.0</b>	<b>123</b>

<sup>1/</sup> Revised.

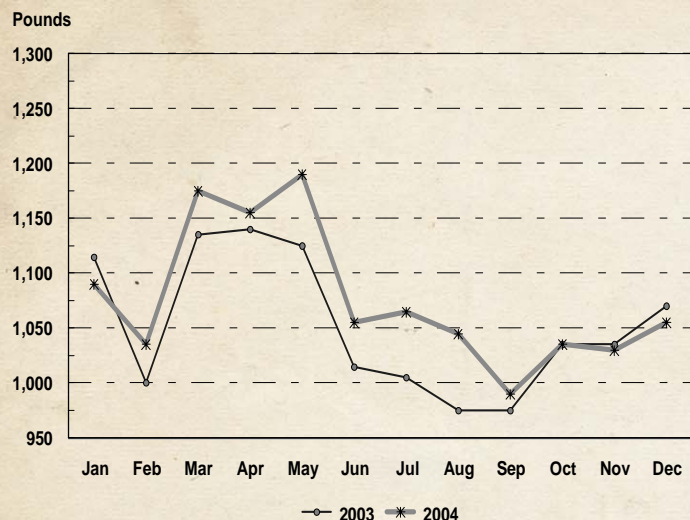
<sup>2/</sup> Includes value of milk used for home consumption and value of milk fed to calves.

### Kentucky average milk cow numbers and annual average milk production per cow, 1950 - 2004.





## Kentucky monthly milk per cow, 2003 - 2004.

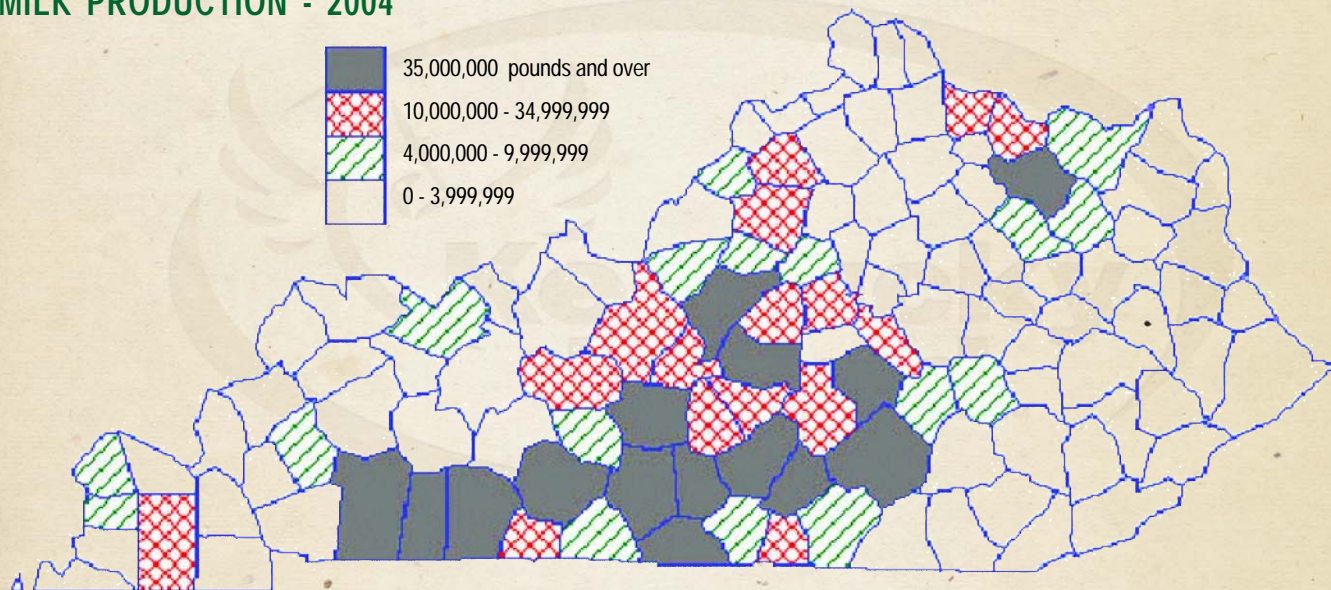


## Kentucky milk cows and milk production, 2003 and 2004.

MONTH	Milk Cows on Farms <sup>1/</sup>		Milk per Cow <sup>2/</sup>		Milk Production <sup>2/</sup>	
	2003	2004	2003 <sup>3/</sup>	2004	2003 <sup>3/</sup>	2004
	(1,000 head)		(pounds)		(million pounds)	
January .....	120	112	1,115	1,090	134	122
February .....	120	111	1,000	1,035	120	115
March .....	120	110	1,135	1,175	136	129
April .....	120	109	1,140	1,155	137	126
May .....	119	110	1,125	1,190	134	131
June .....	118	112	1,015	1,055	120	118
July .....	115	111	1,005	1,065	116	118
August .....	112	110	975	1,045	109	115
September .....	111	109	975	990	108	108
October .....	111	109	1,035	1,035	115	113
November .....	112	109	1,035	1,030	116	112
December .....	112	110	1,070	1,055	120	116
ANNUAL .....	116	110	12,629	12,936	1,465	1,423

<sup>1/</sup>Excludes heifers not yet fresh. <sup>2/</sup>Excludes milk sucked by calves. <sup>3/</sup>Revised.

## • MILK PRODUCTION - 2004



## Kentucky cottage cheese production, 2000 - 2004.<sup>1/</sup>

PRODUCT (1000 pounds)	2000	2001	2002	2003	2004
Cottage Cheese Curd .....	15,129	14,707	12,680	13,048	11,751
Creamed Cottage Cheese .....	17,682	17,227	15,380	14,589	12,410
Lowfat Cottage Cheese .....	9,132	9,451	7,582	8,776	9,023

<sup>1/</sup> Data on other dairy products not published to avoid disclosure of individual operations. Included in U.S. totals.

## U.S. production of dairy products, 2003 - 2004.<sup>1/</sup>

Product	2003 <sup>1/</sup>	2004	2004 as pct. of 2003	Major producing states
<b>Cheese and butter production (1000 pounds)</b>				
American cheddar .....	2,701,064	2,763,063	102	Wisconsin, Minnesota
Mozzarella .....	2,807,188	2,916,536	104	California, Wisconsin
Other cheese <sup>2/</sup> .....	3,048,991	3,196,864	105	California, Wisconsin
Total cheese <sup>3/</sup> .....	8,557,243	8,876,463	104	Wisconsin, California
Butter .....	1,242,360	1,249,678	101	California, Wisconsin
<b>Cottage cheese production (1000 pounds)</b>				
Curd <sup>4/</sup> .....	447,981	458,144	102	New York, California
Creamed <sup>5/</sup> .....	385,156	377,229	98	New York, Illinois
Lowfat <sup>6/</sup> .....	384,372	391,219	102	New York, California
<b>Frozen products (1000 gal.)</b>				
Ice cream .....	992,876	943,659	95	California, Indiana
Ice cream, lowfat .....	398,265	415,474	104	Texas, Indiana
Milk sherbet .....	54,126	54,626	101	California, Indiana

<sup>1/</sup> Revised. <sup>2/</sup> Includes Muenster, Brick, Limburger, Blue, Part Skim, Colby, Monterey, Jack, Swiss, Gorgonzola, Hispanic, Other Italian, Cream and Neufchatel. <sup>3/</sup> Excludes cottage cheese. <sup>4/</sup> Mostly used for processing into fully creamed or lowfat cottage cheese. <sup>5/</sup> Milkfat content 4.0 percent or more. <sup>6/</sup> Milkfat content less than 4.0 percent, mostly 0.5 to 2.0 percent milkfat.



## Milk cows, county estimates, Jan. 1 2004 - 2005.

District and county	Jan. 1, 2004	Jan. 1, 2005	(number)
Ballard	450	400	
Calloway	350	1/	
Carlisle	500	600	
Graves	1,000	1,000	
Other Counties 1/	500	800	
<b>District 1</b>	<b>2,800</b>	<b>2,800</b>	
Caldwell	500	500	
Christian	2,100	2,500	
Daviess	550	550	
Logan	3,100	3,000	
Simpson	800	850	
Todd	2,400	2,500	
Other counties 1/	550	700	
<b>District 2</b>	<b>10,000</b>	<b>10,600</b>	
Adair	7,900	7,900	
Allen	400	500	
Barren	9,900	10,000	
Breckinridge	1/	300	
Bullitt	450	450	
Casey	2,200	2,100	
Clinton	900	900	
Cumberland	500	500	
Edmonson	600	600	
Grayson	2,000	2,000	
Green	3,300	3,200	
Hardin	1,800	1,600	
Hart	3,200	3,100	
Larue	1,800	1,800	
Marion	3,900	3,900	
Meade	300	300	
Metcalfe	4,600	4,700	
Monroe	3,800	3,500	
Nelson	4,000	3,500	
Russell	3,000	2,900	
Taylor	2,600	2,800	
Warren	3,500	3,500	
Other counties 1/	450	250	
<b>District 3</b>	<b>61,100</b>	<b>60,300</b>	
Bracken	800	900	
Henry	1,500	1,500	
Oldham	450	450	
Owen	450	400	
Trimble	1/	320	
Other Counties 1/	1,500	1,130	
<b>District 4</b>	<b>4,700</b>	<b>4,700</b>	
Anderson	900	900	
Bath	500	550	
Boyle	350	350	
Fleming	5,200	5,100	
Garrard	1,100	1,000	
Harrison	450	400	
Lincoln	4,700	4,200	
Madison	1/	300	
Mason	2,800	2,700	
Mercer	1,800	1,800	
Montgomery	1/	300	
Shelby	3,200	2,600	
Spencer	900	900	
Washington	2,300	2,200	
Other counties 1/	1,600	1,100	
<b>District 5</b>	<b>25,800</b>	<b>24,400</b>	
Jackson	600	600	
Laurel	350	300	
Lewis	800	700	
Pulaski	3,500	3,200	
Rockcastle	700	600	
Rowan	350	500	
Wayne	600	600	
Other Counties 1/	700	700	
<b>District 6</b>	<b>7,600</b>	<b>7,200</b>	
<b>Kentucky</b>	<b>112,000</b>	<b>110,000</b>	

## Top five counties (head)

Barren	10,000
Adair	7,900
Fleming	5,100
Metcalfe	4,700
Lincoln	4,200

1/ Less than 300 head included in "Other counties".

## Milk production, county estimates, 2004.

District and county	Avg. number milk cows on farms	Annual avg. production per cow 1/ (pounds)	Total milk production (1000 pounds)
Ballard	400	13,250	5,300
Carlisle	600	9,500	5,700
Graves	1,000	14,600	14,600
Other counties 2/	800	14,988	11,990
<b>District 1</b>	<b>2,800</b>	<b>13,425</b>	<b>37,590</b>
Caldwell	500	18,400	9,200
Christian	2,500	22,720	56,800
Daviess	550	12,909	7,100
Logan	3,000 *	20,333	61,000
Simpson	850	16,588	14,100
Todd	2,500	19,600	49,000
Other counties 2/	700	9,286	6,500
<b>District 2</b>	<b>10,600</b>	<b>19,217</b>	<b>203,700</b>
Adair	7,900	10,759	85,000
Allen	500	8,100	4,050
Barren	10,000	13,320	133,200
Breckinridge	300	8,500	2,550
Bullitt	450	10,000	4,500
Casey	2,100	13,048	27,400
Clinton	900	15,667	14,100
Cumberland	500	9,600	4,800
Edmonson	600	9,167	5,500
Grayson	2,000	12,750	25,500
Green	3,200	8,906	28,500
Hardin	1,600	13,313	21,300
Hart	3,100	13,613	42,200
Larue	1,800	10,500	18,900
Marion	3,900	15,282	59,600
Meade	300	8,500	2,550
Metcalfe	4,700	11,043	51,900
Monroe	3,500	12,829	44,900
Nelson	3,500	13,829	48,400
Russell	2,900	12,966	37,600
Taylor	2,800	12,321	34,500
Warren	3,500	15,229	53,300
Other counties 2/	250	12,400	3,100
<b>District 3</b>	<b>60,300</b>	<b>12,493</b>	<b>753,350</b>
Bracken	900	11,333	10,200
Henry	1,500	13,733	20,600
Oldham	450	12,667	5,700
Owen	400	9,000	3,600
Trimble	320	9,375	3,000
Other counties 2/	1,130	14,867	16,800
<b>District 4</b>	<b>4,700</b>	<b>12,745</b>	<b>59,900</b>
Anderson	900	10,778	9,700
Bath	550	9,000	4,950
Boyle	350	10,286	3,600
Fleming	5,100	12,392	63,200
Garrard	1,000	16,400	16,400
Harrison	400	8,750	3,500
Lincoln	4,200	11,500	48,300
Madison	300	8,667	2,600
Mason	2,700	12,111	32,700
Mercer	1,800	10,944	19,700
Montgomery	300	8,667	2,600
Shelby	2,600	11,808	30,700
Spencer	900	8,111	7,300
Washington	2,200	12,364	27,200
Other counties 2/	1,100	10,409	11,450
<b>District 5</b>	<b>24,400</b>	<b>11,635</b>	<b>283,900</b>
Jackson	600	9,500	5,700
Laurel	300	11,667	3,500
Lewis	700	8,714	6,100
Pulaski	3,200	12,813	41,000
Rockcastle	600	10,333	6,200
Rowan	500	18,400	9,200
Wayne	600	9,500	5,700
Other counties 2/	700	10,229	7,160
<b>District 6</b>	<b>7,200</b>	<b>11,744</b>	<b>84,560</b>
<b>Kentucky</b>	<b>110,000</b>	<b>12,936</b>	<b>1,423,000</b>

## Top producing counties (1,000 lbs.)

Barren	133,200
Adair	85,000
Fleming	63,200
Logan	61,000
Marion	59,600

1/ Total Milk Production divided by Average Number Cows on Farms. 2/ Less than 300 head included in "Other counties".

## Milk cows, production and income by states, 2004.

State	Milk cows 1/ (1000)	Average milk per cow (pounds)	Milk production per cow 2/ (million pounds)	Cash receipts from milk and cream (\$1000)
Alabama	17	14,412	245	43,497
Alaska	1.2	12,167	14.6	2,822
Arizona	160	22,788	3,646	570,381
Arkansas	24	13,250	318	52,080
California	1,725	21,139	36,465	5,365,992
Colorado	102	21,412	2,184	343,281
Connecticut	20	19,600	392	67,124
Delaware	7.4	17,230	127.5	21,488
Florida	138	16,326	2,253	431,616
Georgia	84	16,857	1,416	235,536
Hawaii	6.1	13,197	80.5	20,175
Idaho	424	21,446	9,093	1,358,400
Illinois	107	18,486	1,978	308,819
Indiana	150	19,747	2,962	490,646
Iowa	193	19,912	3,843	620,052
Kansas	113	19,611	2,216	339,570
<b>Kentucky</b>	<b>110</b>	<b>12,936</b>	<b>1,423</b>	<b>236,640</b>
Louisiana	38	12,605	479	77,220
Maine	34	18,000	612	109,260
Maryland	74	15,703	1,162	196,010
Massachusetts	17	17,412	296	51,275
Michigan	303	20,842	6,315	1,020,380
Minnesota	463	17,499	8,102	1,336,334
Mississippi	27	14,037	379	63,336
Missouri	122	15,139	1,847	298,808
Montana	18	19,278	347	53,165
Nebraska	61	17,230	1,051	168,480
Nevada	25	20,360	509	74,947
New Hampshire	16	18,875	302	52,923
New Jersey	12	16,667	200	32,308
New Mexico	326	20,583	6,710	1,000,224
New York	655	17,786	11,650	1,950,144
North Carolina	57	17,649	1,006	170,796
North Dakota	34	15,471	526	83,945
Ohio	263	17,338	4,560	751,980
Oklahoma	78	16,192	1,263	218,575
Oregon	120	18,917	2,270	359,520
Pennsylvania	562	17,904	10,062	1,768,976
Rhode Island	1.2	16,333	19.6	3,434
South Carolina	17	16,882	287	49,416
South Dakota	80	16,838	1,347	220,440
Tennessee	75	15,400	1,155	193,368
Texas	319	18,837	6,009	975,718
Utah	88	18,284	1,609	250,415
Vermont	145	17,821	2,584	433,823
Virginia	105	16,486	1,731	308,417
Washington	237	22,852	5,416	857,010
West Virginia	13	14,923	194	31,515
Wisconsin	1,241	17,796	22,085	3,687,749
Wyoming	4.3	14,744	63.4	9,828
United States 3/	9,010	18,957	170,805 4/	27,367,858

1/Average number during year, excluding heifers not yet fresh.

2/Excludes milk sucked by calves.

3/Rounded sum of individual states. 4/May not sum due to rounding.